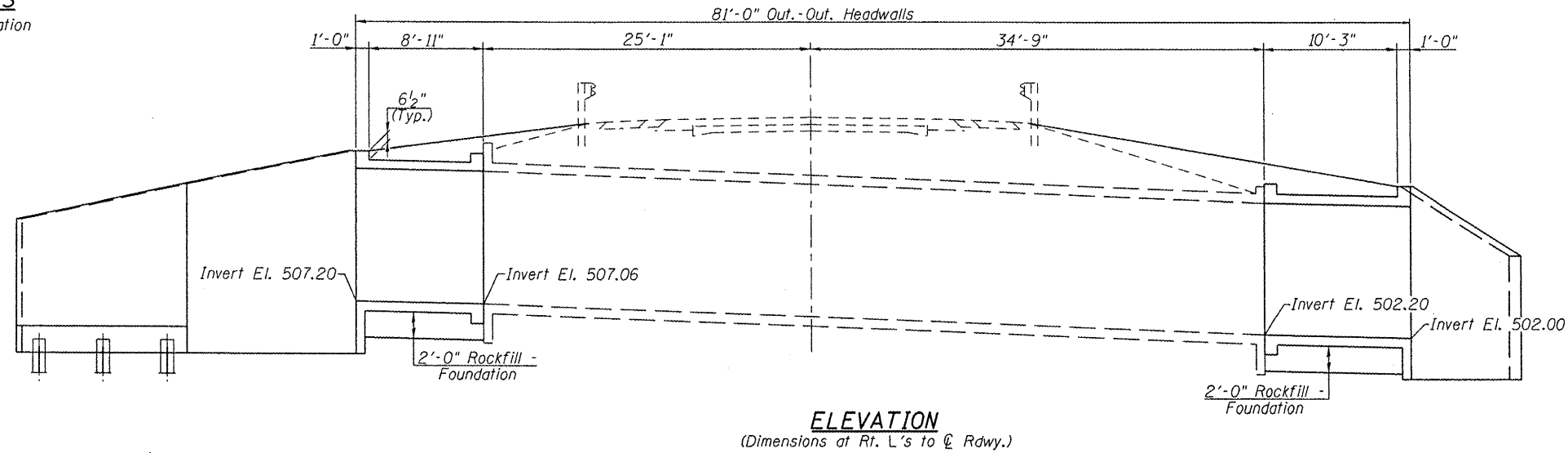


Benchmark: JJ31 - Chiseled "□" on center headwall, N. Side of IL 125, Sta. 83+09, 25' Lt. El. 521.46  
 Existing Structure: S.N. 009-7000 - Single barrel 10'-0" x 10'-0" reinforced concrete box culvert with a length of ±82'-1 5/8"

**INDEX OF SHEETS**

- 1 - General Plan & Elevation
- 2-4 - Culvert Details
- 5 - Borings



**ELEVATION**  
 (Dimensions at Rt. L's to C. Rdwy.)

**TOTAL BILL OF MATERIAL**

Item	Unit	Quantity
Removal of Existing Structures No. 3	Each	1
Concrete Box Culverts	Cu. Yd.	114.1
Reinforcement Bars	Pound	16610
Reinforcement Bars, Epoxy Coated	Pound	350
Furnishing Steel Piles HP 12x53	Foot	600
Driving Piles	Foot	600
Test Pile Steel HP 12x53	Each	2
Rockfill - Foundation	Ton	66
Expansion Bolts 3/4 Inch	Each	56

**GENERAL NOTES**

A Precast Box Culvert alternative will not be allowed at this site. The layout of the stone riprap may be varied in the field to suit ground conditions as directed by the Engineer. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60. See Special Provisions. For backfilling and embankment, see Standard Specifications. All construction joints shall be bonded. Exposed edges shall have standard 3/4" chamfer unless otherwise noted. Removal and replacement of weak soils with Rockfill - Foundation may be required beneath the culvert. The Engineer will determine the required depth following excavation to plan grade. At least seven feet of the barrel shall be poured monolithically with the wingwalls.

**DESIGN SPECIFICATIONS**

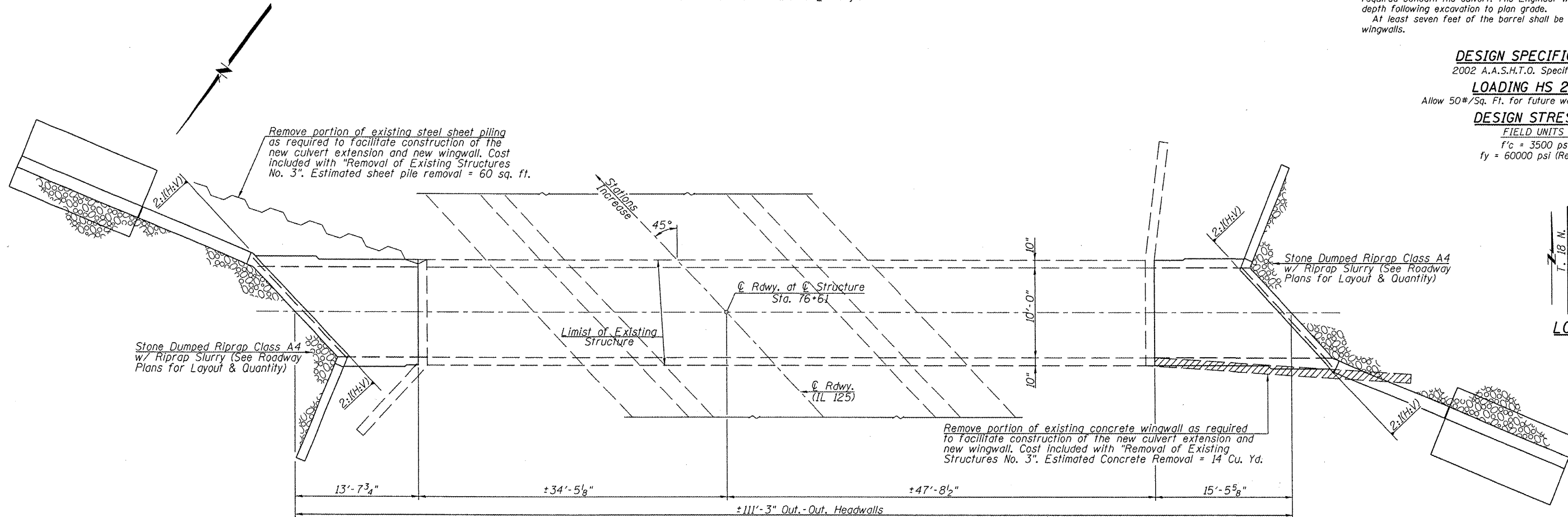
2002 A.A.S.H.T.O. Specifications

**LOADING HS 20-44**

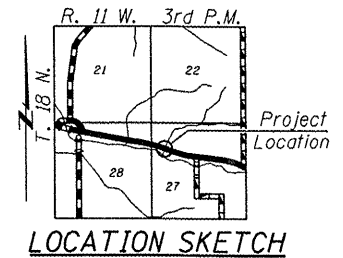
Allow 50#/Sq. Ft. for future wearing surface.

**DESIGN STRESSES**

FIELD UNITS  
 f'c = 3500 psi  
 fy = 60000 psi (Reinf.)

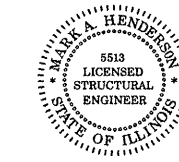


**PLAN**  
 (Dimensions Along C. Culvert)



**APPROVED**  
 For Structural Adequacy Only

*Ralph E. Anderson (TOD)*  
 Engineer of Bridges & Structures



*Mark A. Henderson 1/29/09*  
 Expiration Date: 11/30/2010

GENERAL PLAN  
 IL. ROUTE 125 OVER  
 TRIBUTARY TO LOST CREEK  
 F.A.P. ROUTE 67 - SECTION (6X-1)B-2  
 CASS COUNTY  
 STA. 76+61.00  
 S.N. 009-7000

Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907	SHEET NO. 1  OF 5 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		67	(6X-1)B-2	CASS	71	30
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					CONTRACT NO. 72875	